CLAIMS:

- A semiconductor device for charge-up damage evaluation, comprising:
 - a substrate;
 - a first insulation film formed on said substrate;
- a first conductive layer formed on said first insulation film and connected with said substrate;
- a second insulation film formed on said first conductive layer;
- a second conductive layer formed on said second insulation film and serving as an antenna; and
- a third insulation film formed on said second conductive layer.
- 2. The semiconductor device for charge-up damage evaluation of claim 1, wherein said third insulation film is of a material which is easily charged up.
- 3. The semiconductor device for charge-up damage evaluation of claim 1, wherein said third insulation film comprises convex and concave portions.
- 4. The semiconductor device for charge-up damage evaluation of claim 1, wherein geometric patterns are formed at least on said third insulation film which is located above said second conductive layer.
- 5. The semiconductor device for charge-up damage evaluation of claim 1, wherein a top surface of said third

insulation film has a slit-like shape with a number of parallel slits.

- 6. The semiconductor device for charge-up damage evaluation of claim 1, wherein a number of slits are formed in an upper portion of said third insulation film in a radial arrangement.
- 7. The semiconductor device for charge-up damage evaluation of claim 1, wherein a slit is formed in a spiral shape in an upper portion of said third insulation film.
- 8. The semiconductor device for charge-up damage evaluation of claim 1, wherein a ratio of the surface area size of an antenna portion connected with said second conductive layer to that of a capacitor portion formed by said first conductive layer and said second conductive layer is high.
- 9. The semiconductor device for charge-up damage evaluation of claim 1, wherein a ratio of the film thickness of said first insulation film to that of said insulation film layer is high.
- 10. A charge-up damage evaluation method characterized in inspecting, using an optical detect inspection apparatus, the semiconductor device for charge-up damage evaluation of claim 1, 2, 3, 4, 5, 6, 7, 8 or 9 charged up by static electricity at a semiconductor manufacturing step, and calculating a defect occurrence rate from the number of detected defects attributed to static electricity.

11. A charge-up damage evaluation method in which the semiconductor device for charge-up damage evaluation of claim 5 is inspected using an optical detect inspection apparatus and a defect occurrence rate is calculated from the number of detected defects attributed to static electricity, wherein at the time of pulling up a semiconductor manufacturing apparatus for charge-up damage evaluation out from a cleaning liquid at a cleaning step among semiconductor manufacturing steps, pulling-up in a direction parallel to said slits formed in said upper portion of said third insulation film is performed separately from pulling-up in a direction perpendicular to said slits and the semiconductor manufacturing apparatus for charge-up damage evaluation thus pulled up is inspected using said optical detect inspection apparatus.

- 28 -